# CONTENTS OF VOLUME 98

## NUMBER 1


*OTUS PETERSONI*, A NEW SCREECH-OWL FROM THE EASTERN ANDES, WITH SYSTEMATIC NOTES ON *O. COLOMBIANUS* AND *O. INGENS* — *John W. Fitzpatrick and John P. O'Neill* 1

MATING SYSTEM AND REPRODUCTIVE SUCCESS OF A SMALL POPULATION OF POLYGAMOUS SNOWY PLOVERS — *John S. Warriner, Jane C. Warriner, Gary W. Page, and Lynne E. Stenzel* 15

TEMPORAL DYNAMICS OF NEOTROPICAL BIRDS WITH SPECIAL REFERENCE TO FRUGIVORES IN SECOND-GROWTH WOODS — *Thomas E. Martin and James R. Karr* 38

STRUCTURE, SEASONAL DYNAMICS, AND HABITAT RELATIONSHIPS OF AVIAN COMMUNITIES IN SMALL EVEN-AGED FOREST STANDS — *Richard H. Yahner* 61

LATE SUMMER–SPRING MOVEMENTS OF JUVENILE SAGE GROUSE — *Peter O. Dunn and Clait E. Braun* 83

ASSORTATIVE MATING AND SEXUAL DIMORPHISM IN THE COMMON TERN — *Malcolm C. Coulter* 93

RUDDY TURNSTONES, GREAT HORNED OWLS, AND EGG LOSS FROM COMMON TERN CLUTCHES — *Ralph D. Morris and David A. Wiggins* 101

PREY-SIZE SELECTION IN NESTING MALE AND FEMALE COOPER'S HAWKS — *Patricia L. Kennedy and Donald R. Johnson* 110

HUNTING SUCCESS OF SOME MISSOURI RAPTORS — *Brian Toland* 116

GENERAL NOTES

GROWTH OF SHINY COWBIRD AND HOST CHICKS — *James W. Wiley* 126

AUTUMN SANDHILL CRANE HABITAT USE IN SOUTHEAST OREGON — *Carroll D. Littlefield* 131

DIETS OF HOUSE SPARROWS IN URBAN AND RURAL HABITATS — *Ann P. Gavett and James S. Wakeley* 137

VEGETATION STRUCTURE AND VESPER SPARROW TERRITORY LOCATION — *J. Michael Reed* 144

MALE AND FEMALE PARENTAL CARE IN TREE SWALLOWS — *Terry E. Quinney* 147

EXTRAPAIR COPULATIONS IN THE TREE SWALLOW — *Michael P. Lombardo* 150

POLYGYNY IN THE YELLOW WARBLER — *Dominick A. DellaSala* 152

TWO MALE BOBOLINKS FEED YOUNG AT THE SAME NEST — *Eric K. Bollinger, Thomas A. Gavin, Catherine J. Hibbard, and J. Timothy Wootton* 154

CONSPECIFIC NEST TAKEOVERS AND EGG DESTRUCTION BY WHITE IBISES — *Peter Frederick* 156

WINTER DIETS OF VULTURES IN SOUTHCENTRAL PENNSYLVANIA — *Richard H. Yahner, Gerald L. Storm, and Anthony L. Wright* 157

BREEDING BIOLOGY OF THE SEYCHELLES BLACK PARROT (*CORACOPSIS NIGRA BARKLYI*) — *Robert E. Merritt, Patricia A. Bell, Victorin Laboudallon* 160

ADDITIONS TO RECORDS OF NORTH AMERICAN AVIFAUNA IN YUCATÁN, MEXICO — *David T. Rogers, Jr., Jesús Garcia B., and Antonio Rógel B.* 163

CHOICE OF NEST BOXES BY CAVITY-NESTING DUCKS — *Harry G. Lumsden, Judy Robinson, and Ronald Hartford* 167

ROCK DOVES NESTING IN TREES — *A. Townsend Peterson* 168

A NEW METHOD FOR COLLECTING PREY DELIVERED TO TUFTED PUFFIN CHICKS — *Pat Baird* 169

LAUGHING GULL NESTING ATTEMPT ON LAKE ERIE — *Elliot J. Tramer and Louis W. Campbell* 170

ADULT MALE BLUE GROUSE EATS LIZARDS — *Lee H. Simons* 171

ORNITHOLOGICAL LITERATURE — 173

ANNOUNCEMENT — 100

ERRATA — 92

NUMBER 2


WAX DIGESTION IN WILSON'S STORM-PETREL — *Bryan S. Obst* 189

FORAGING PATTERNS OF FOREST BIRDS: MALE-FEMALE DIFFERENCES — *Richard T. Holmes* 196

THE STRUCTURE OF A FOREST BIRD COMMUNITY DURING WINTER AND SUMMER
*Michael L. Morrison, Kimberly A. With, and Irene C. Timossi* 214

NEST-SITE CHARACTERISTICS OF OPEN-NESTING BIRDS IN RIPARIAN HABITATS IN IOWA
*Dean F. Stauffer and Louis B. Best* 231

ASPECTS OF THE BIOLOGY OF THE HORNED SCREAMER IN SOUTHWESTERN COLOMBIA
*Luis G. Naranjo* 243

SOME ASPECTS OF THE BREEDING BIOLOGY OF RED-WINGED BLACKBIRDS IN ALASKA
*A. David McGuire* 257

AGE-SPECIFIC FORAGING ABILITY AND THE EVOLUTION OF DEFERRED BREEDING IN THREE SPECIES OF GULLS — *Alexis A. E. MacLean* 267

THE EFFECTS OF MUSCLE BIOPSY ON SURVIVAL AND CONDITION IN WHITE-THROATED SPARROWS
*David F. Westneat* 280

GENERAL NOTES

DISTRIBUTION OF FOOD WITHIN BROODS OF BARN SWALLOWS
*W. Bruce McGillivray and Howard Levenson* 286

SPECIES-AREA RELATIONSHIP OF MIGRANTS IN ISOLATED WOODLOTS IN EAST-CENTRAL ILLINOIS — *John G. Blake* 291

INCUBATION CONTINUITY AND THE ADVANTAGE OF CRYPTIC EGG COLORATION TO MOURNING DOVES — *David Westmoreland and Louis B. Best* 297

EFFECTS OF OLD NESTS ON NEST-SITE SELECTION IN BLACK-CROWNED NIGHT-HERONS AND SNOWY EGRETS — *William E. Davis, Jr.* 300

THE USE OF TAPE-RECORDED CALLS TO COUNT VIRGINIA RAILS AND SORAS
*Rex R. Johnson and James J. Dinsmore* 303

FOOD ROBBERY OF WINTERING RING-NECKED DUCKS BY AMERICAN COOTS
*James F. Bergan and Loren M. Smith* 306

POLYGYNY IN THE EVENING GROSBEAK — *Barbara A. Fee and Marc Bekoff* 308

NESTING TRIOS OF MOURNING DOVES — *David E. Blockstein* 309

SUPERNUMERARY ADULTS FEEDING WILLOW FLYCATCHER FLEDGLINGS
*Michael D. Stafford* 311

BROOD ADOPTION BY A MALE BLACK-CAPPED CHICKADEE — *James L. Howitz* 312

BROWN THRASHERS RESPOND TO CALLS OF NORTHERN MOCKINGBIRD NESTLINGS
*Kimberly G. Smith* 313

BEHAVIOR OF A POLYGYNOUS YEARLING YELLOW WARBLER
*Mary L. Reid and Spencer G. Sealy* 315

RANGE EXTENSION OF CAYENNE TERNS ON THE PUERTO RICO BANK
*Fred C. Schaffner, Robert L. Norton, and John Taylor* 317

DOWNY WOODPECKER FEEDS ON INSECTS IN A SPIDER'S WEB — *Harry M. Tiebout, III* 319

NEST-BUILDING BEHAVIOR IN A YOUNG AMERICAN ROBIN — *Pamela C. Rasmussen* 319

THE HISS-DISPLAY OF NESTLING BLACK-CAPPED CHICKADEES IN CAPTIVITY
*Karen M. Apel and Charles M. Weise* 320

NESTLING GREAT CRESTED FLYCATCHER PARASITIZED BY LARVAL FLY (*PROTOCALLIPHORA HIRUDO*) — *Barrett A. Garrison, Catherine Vouchilas, and Dean F. Stauffer* 321

ORNITHOLOGICAL LITERATURE — 322

ANNOUNCEMENTS — 195, 333

INFORMATION FOR AUTHORS — 335

NUMBER 3

A NEW SPECIES OF ANTWREN (FORMICARIIDAE: *HERPSILOCHMUS*) FROM PERU, WITH COMMENTS ON THE SYSTEMATICS OF OTHER MEMBERS OF THE GENUS
*Tristan J. Davis and John P. O'Neill* 337

NESTING SUCCESS AND PRODUCTIVITY OF HUMMINGBIRDS IN SOUTHWESTERN NEW MEXICO AND SOUTHEASTERN ARIZONA ..... *William H. Baltosser* 353

THE HISTORY OF THE SOUTHERN FLORIDA WOOD STORK POPULATION
*James A. Kushlan and Paula C. Frohring* 368

THE EVOLUTION OF REVERSED SEXUAL DIMORPHISM IN OWLS: AN EMPIRICAL ANALYSIS OF POSSIBLE SELECTIVE FACTORS ..... *Helmut C. Mueller* 387

WINTER POPULATION DYNAMICS OF THREE SPECIES OF MAST-EATING BIRDS IN THE EASTERN UNITED STATES ..... *Kimberly G. Smith* 407

SOCIAL ORGANIZATION, MOVEMENTS, AND HOME RANGES OF BLUE GROUSE IN FALL AND WINTER
*James E. Hines* 419

SUBSPECIES OF THE GREATER SCAUP AND THEIR NAMES ..... *Richard C. Banks* 433

FOOD CONSUMPTION AND GROWTH ENERGETICS OF NESTLING GOLDEN EAGLES
*Michael W. Collopy* 445

GENERAL NOTES

CLUTCH-SIZE DIFFERENCES IN WESTERN AND INTRODUCED EASTERN POPULATIONS OF HOUSE FINCHES: PATTERNS AND HYPOTHESES ..... *J. Timothy Wootton* 459

LATE FLEDGING DATES, RENESTING, AND LARGE CLUTCHES OF PRAIRIE FALCONS
*George T. Allen, Robert K. Murphy, Karen Steenhof, and Stephen W. Platt* 463

CHARACTERISTICS OF RED-SHOULDERED HAWK NESTS IN SOUTHEAST OHIO
*Mark S. Woodrey* 466

SPRIG DELIVERY BY BROAD-WINGED HAWKS
*David M. Lyons, Kimberly Titus, and James A. Mosher* 469

REVERSE MOUNTING IN THE AMERICAN KESTREL
*Reed Bowman and Elizabeth M. Curley* 472

INTRASPECIFIC BROOD PARASITISM IN THREE SPECIES OF PRAIRIE-BREEDING SHOREBIRDS
*Mark A. Colwell* 473

SUSPECTED INTRASPECIFIC EGG DUMPING IN THE WHITE IBIS (*EUDOCIMUS ALBUS*)
*Peter C. Frederick and Mark A. Shields* 476

A CASE OF BROOD MIXING BY COMMON LOONS
*Paul I. V. Strong, John A. Bissonette, and Richard Souza* 478

USE OF FENCEPOST CAVITIES BY NESTING EASTERN BLUEBIRDS IN SOUTHWESTERN VIRGINIA
*Thomas A. Pierson and Patrick F. Scanlon* 479

LITTLE BLUE HERONS NESTING AMONG CATTAILS
*Richard T. Hoppe and Robert A. Kennamer* 482

SWALLOWS TAKING INSECTS FROM POND SURFACES
*Robert R. Cohen and Mark L. Dymerski* 483

DRINKING BY NORTHERN BOBWHITES IN TEXAS ... *N. L. N. S. Prasad and Fred S. Guthery* 485

SEVERE AGGRESSION BETWEEN FEMALE BLACK-HEADED GROSBEAKS ..... *Geoffrey E. Hill* 486

AN ALBINO GREATER SHEARWATER: FEATHER ABRASION AND FLIGHT ENERGETICS
*David S. Lee and Gilbert S. Grant* 488

ORNITHOLOGICAL LITERATURE ..... 491

ANNOUNCEMENTS ..... 418, 504

NUMBER 4


OBSERVATIONS ON THE ECOLOGY AND BEHAVIOR OF THE PALE-BILLED SICKLEBILL
*Bruce M. Beehler and Carol H. Beehler* 505

POTENTIAL USE OF FEATHER CHEMISTRY AS AN INDICATOR OF RELATIVE GROWTH
*Gary R. Bortolotti and Jon C. Barlow* 516

TIMING AND LOCATION OF SPRING SPERM RELEASE IN NORTHERN THRUSHES ..... *W. B. Quay* 526

GROWTH OF NESTLING SAGE SPARROWS AND BREWER'S SPARROWS
*Kenneth L. Petersen, Louis B. Best, and Brian M. Winter* 535

NEST-SITE CHARACTERISTICS AND REPRODUCTIVE SUCCESS OF LONG-EARED OWLS IN SOUTHWESTERN IDAHO ..... *Jeffrey S. Marks* 547

RED-TAILED HAWK NEST SITES IN PUERTO RICO
*Eduardo Santana C., Eddie N. Laboy, James A. Mosher, and Stanley A. Temple* 561

THE COURTSHIP BEHAVIOR AND MIXED-SPECIES PAIRING OF KING AND IMPERIAL BLUE-EYED SHAGS (*PHALACROCORAX ALBIVENTER* AND *P. ATRICEPS*) ..... *Douglas Siegel-Causey* 571

GENERAL NOTES

DISPERSAL OF RECENTLY FLEDGED MOURNING DOVES FROM NEST SITES
*Ronald R. Hitchcock and Ralph E. Mirarchi* 581

OBSERVATIONS ON THE BREEDING BIOLOGY OF EMERALD TOUCANETS IN COSTA RICA
*Cecilia M. Riley* 585

SEABIRD DENSITIES AND AGGREGATIONS DURING THE 1983 EL NIÑO IN THE GALAPAGOS ISLANDS ..... *David Cameron Duffy and Godfrey Merlen* 588

COLOR VARIATION IN THE RUDDY DUCK (*OXYURA JAMAICENSIS ANDINA*) ..... *Jon Fjeldså* 592

SYSTEMATIC INTERPRETATIONS OF FOOT-SCUTE PATTERNS IN NEOTROPICAL FINCHES
*George A. Clark, Jr.* 594

NORTHERN HARRIER PREDATION ON WILLOW PTARMIGAN
*David S. Hik, Susan J. Hannon, and Kathy Martin* 597

PREDATION ON BLACK AND TURKEY VULTURES ..... *John S. Coleman and James D. Fraser* 600

EASTERN BLUEBIRD RESPONSES TO NOCTURNAL BLACK RAT SNAKE PREDATION
*R. Craig Hensley and Kimberly G. Smith* 602

DESTRUCTION OF HETEROSPECIFIC EGGS BY THE GRAY CATBIRD
*Jean-Claude Belles-Isles and Jaroslav Picman* 603

FATAL ANTIPREDATOR BEHAVIOR OF A KILLDEER ..... *Dianne H. Brunton* 605

PLUNGE-DIVING BY OLIVACEOUS CORMORANTS IN CHILE ..... *David Cameron Duffy, Rory P. Wilson, Marie-Pierre Wilson, and Claudio Velasquez R.* 607

WHICH SEX LEADS IN PAIRED MALLARDS? ..... *Kim C. Derrickson* 608

AGES OF MATED PAIRS OF CALIFORNIA GULLS ..... *Bruce H. Pugesek and Kenneth L. Diem* 610

AERIAL RAIN BATHING BY COMMON NIGHTHAWKS
*Kevin J. McGowan and Glen E. Woolfenden* 612

GREEN-BACKED HERON BAITS FISH WITH INSECTS
*Charles R. Preston, Hershel Moseley, and Carolyn Moseley* 613

GREAT-TAILED GRACKLE KILLS BARN SWALLOW IN FLIGHT ..... *Roger B. Clapp* 614

ORNITHOLOGICAL LITERATURE ..... 616

PROCEEDINGS OF THE SIXTY-SEVENTH ANNUAL MEETING ..... *John L. Zimmerman* 626

ANNOUNCEMENTS ..... 534, 560, 625, 639

INDEX ..... 641